

इंटरनेट

मानक

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IS 8926 (1978): Bone Skid, Murphy Lane's Pattern [MHD 2: Orthopaedic Instruments, Implants and Accessories]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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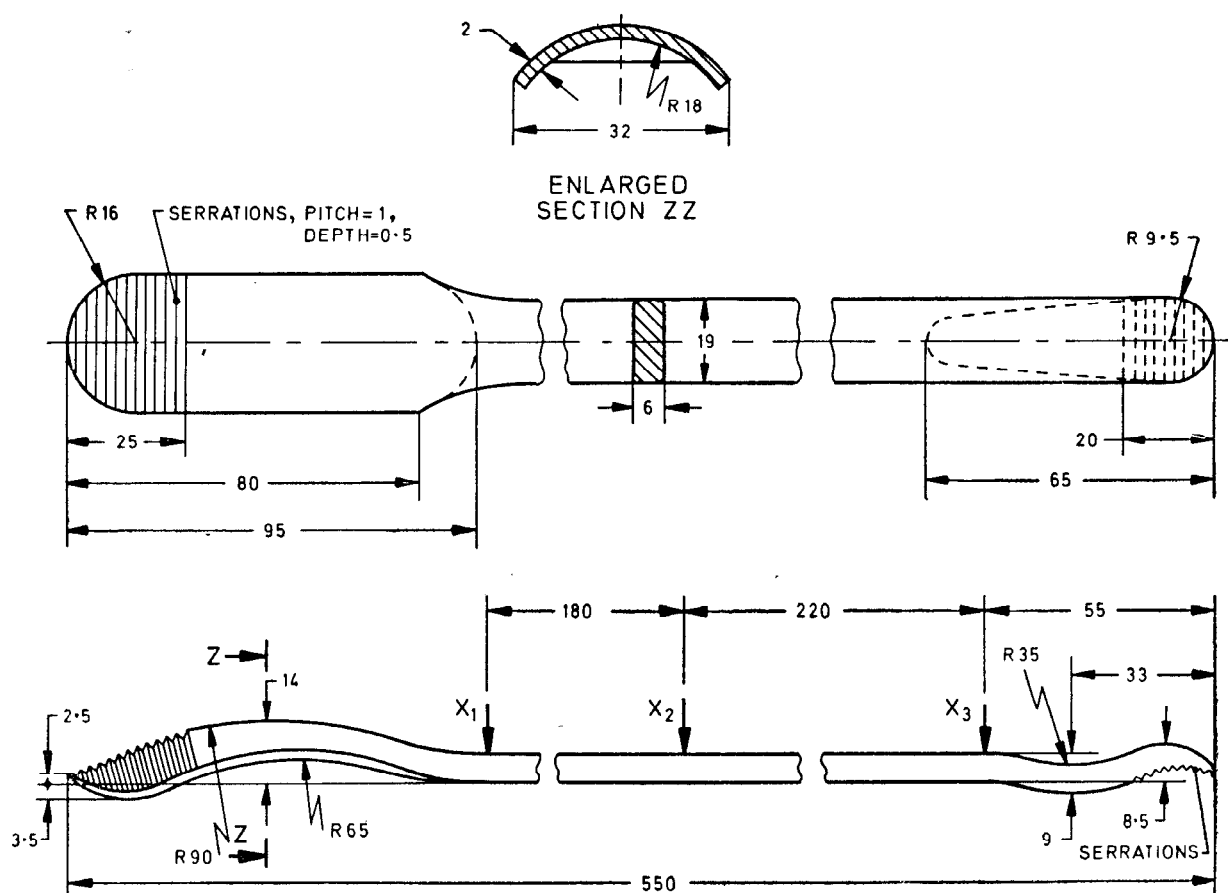




Indian Standard

SPECIFICATION FOR BONE SKID, MURPHY LANE'S PATTERN

- 1. Scope** — Dimensional and other requirements for Murphy Lane's pattern bone skid used in orthopaedic surgery.
- 2. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 BONE SKID. MURPHY LANE'S PATTERN

- 2.1** A deviation of ± 2.5 percent shall be allowed on all dimensions.
- 3. Material** — Stainless steel conforming to Designation 30Cr13 or 40Cr13 of IS: 6603-1972 'Specification for stainless steel bars and flats'.
- 4. Heat Treatment** — The bone skid made from martensitic stainless steel of the above designations shall be hardened and tempered to give a hardness of 400 to 500 *HV*.

Adopted 26 September 1978

© January 1979, ISI

Price Rs 5.00

INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

5. Workmanship and Finish

5.1 The bone skid shall be free from cracks, draw marks, pits, burrs and other surface defects.

5.2 The serrations shall be well formed, polished bright or dull and passivated as desired by the purchaser.

5.3 All edges shall be smooth excepting the serrated portion.

6. Tests

6.1 Corrosion Resistance Test — Test the bone skid in accordance with IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'. There shall be no sign of corrosion after the test.

6.2 Striking Test — Hold the bone skid at one end and strike the other end on a hard wooden block five times. Repeat the test by holding it at the other end and striking in the same manner. The bone skid shall not get damaged after the test.

6.3 Bend Test — Hold the bone skid flat and horizontally by clamping at x_1 (see Fig. 1) in a vice and apply a load of 200 N down-ward at the end farther from the clamping position. Repeat the test by clamping the skid at x_2 and x_3 and applying a vertical load of 200 N in the same way at both the ends of the skid in turn. There shall be no damage done to the bone skid affecting its functionality after conducting the test.

7. Marking — Each bone skid shall be clearly and indelibly marked with the manufacturer's name, initials or recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.